Notice of Allowability	Application No.	Applicant(s)
	10/712,663	LEE ET AL.
	Examiner	Art Unit
	Amelia A. Owens	1625
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS
1. This communication is responsive to <u>response filed 2/28/20</u>	<u>006</u> .	
2. X The allowed claim(s) is/are <u>1-3,6-13,15-20,22-24 and 26-26</u>	<u>8</u> .	
3. ☐ Acknowledgment is made of a claim for foreign priority una a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application No cuments have been received in this i	national stage application from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	ENT of this application.	
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINER' es reason(s) why the oath or declara	S AMENDMENT or NOTICE OF tion is deficient.
 CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the deposition of the depos	on's Patent Drawing Review (PTO-9 s Amendment / Comment or in the O 84(c)) should be written on the drawing the header according to 37 CFR 1.121(c	ffice action of gs in the front (not the back) of l).
DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I	FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. Note the AL MATERIAL.
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 ☐ Notice of Informal P	atent Application (PTO-152)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	(PTO-413),
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Mail Date 8), 7. 🗌 Examiner's Amendm	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Stateme 9. ⊠ Other <u>NO DRAWING</u>	AMELIA OWENS PRIMARY EXAMINER CROUP 1280
		4713012231680

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REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

- 1. Claims 1-3,6-13,15-20,22-24,26-28 are pending and are allowed.
- 2. USP 6566393 B1 is noted. However, Z must be CHR2(CH2)nR3 where R2 is COOH, NH2, COOCH3, COOCH2Ph, and NHCOOCH2Ph; whereas in the instant application Z is (CH2)nR3 creating a clear demarcation over USP 6566393 B1.
- 3. The state of the art is that etoposide has been used to treat a variety of neoplasms such as small-cell lung. See abstract Kobayashi et al, Pharmacodynamics and long-term toxicity of Etoposide, PMID: 8070030. See also abstract Sinkule, Etoposide: a semisynthetic epipodophyllotoxin. Chemistry, pharmacology, pharmacokinetics, adverse effects and use as an antineoplastic agent. PMID: 6326063. See also Atienza et al, Phase II study of oral Etoposide of patients with advanced breast cancer. PMID: 8625074. See also Zhi, High-grade endometrial stromal sarcoma in a 10-year-old girl: case report. PMID: 9849013. *All references are already of record*.

See also, Yasumizi, clinical trial of daily low-dose oral etoposide for patients with residual or recurrent cancer of the ovary or uterus. PMID: 8640467 (1995) and Ajani, Oral etoposide for patients with metastatic gastric adenocarcinoma. PMID: 10198733 (1999). Structurally similar compounds would be expected to have the same activity. Clearly compounds having the core structure depicted below have been shown to have anti-cancer activity against a variety of cancers. Thus, the claimed compounds would be expected to have the same activity as the prior art compounds.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amelia A. Owens whose telephone number is 571-272-0690. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. McKenzie can be reached on 571-272-0670. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Amelia A. Owens Primary Examiner Art Unit 1625